Recombinant Human USP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. USP1-5563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	USP1 MS Standard C13 and N15-labeled recombinant protein (NP_001017416) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinylated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway. Alternate transcriptional splice variants have been characterized.
Molecular Mass	88 kDa
AA Sequence	MPGVIPSESNGLSRGSPSKKNRLSLKFFQKKETKRALDFTDSQENEEKASEYRASEI DQVVPAAQSSPINCEKRENLLPFVGLNNLGNTCYLNSILQVLYFCPGFKSGVKHLFNI ISRKKEALKDEANQKDKGNCKEDSLASYELICSLQSLIISVEQLQASFLLNPEKYTDEL ATQPRRLLNTLRELNPMYEGYLQHDAQEVLQCILGNIQETCQLLKKEEVKNVAELPT KVEEIPHPKEEMNGINSIEMDSMRHSEDFKEKLPKGNGKRKSDTEFGNMKKKVKLS KEHQSLEENQRQTRSKRKATSDTLESPPKIIPKYISENESPRPSQKKSRVKINWLKSA TKQPSILSKFCSLGKITTNQGVKGQSKENECDPEEDLGKCESDNTTNGCGLESPGN

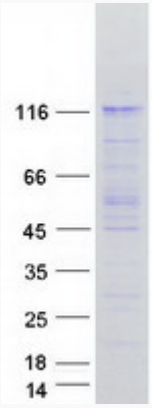
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	TVTPVNVNEVKPINKGEEQIGFELVEKLFQGQLVLRTRCLECESLTERREDFQDISVP VQEDELSKVEESSEISPEPKTEMKTLRWAISQFASVERIVGEDKYFCENCHHYTEAE RSLLFDKMPEVITIHLKCFAASGLEFDCYGGGLSKINTPLLTPLKLSLEEWSTKPTNDS YGLFAVVMHSGITISSGHYTASVKVTDLNSLELDKGNFVVDQMCEIGKPEPLNEEEA RGVVENYNDEEVSIRVGGNTQPSKVLNKKNVEAIGLLGGQKSKADYELYNKASNPD KVASTAFAENRNSETSDTTGTHESDRNKESSDQTGINISGFENKISYVVQSLKEYEG KWLLFDDSEVKVTEEKDFLNSLSPSTSPTSTPYLLFYKKLSGPTRTRRLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	USP1 ubiquitin specific peptidase 1 [Homo sapiens (human)]
Official Symbol	USP1
Synonyms	USP1; ubiquitin specific peptidase 1; ubiquitin specific protease 1; ubiquitin carboxyl-terminal hydrolase 1; hUBP; ubiquitin thioesterase 1; deubiquitinating enzyme 1; ubiquitin thiolesterase 1; ubiquitin carboxyl terminal hydrolase 1; ubiquitin specific processing protease 1; ubiquitin-specific-processing protease 1; UBP;

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Gene ID	7398
mRNA Refseq	NM_001017416
Protein Refseq	NP_001017416
MIM	603478
UniProt ID	O94782
SDS-PAGE	

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